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R

tokens
185

V_i

190

← 180

195

Buffer

192

196

Data
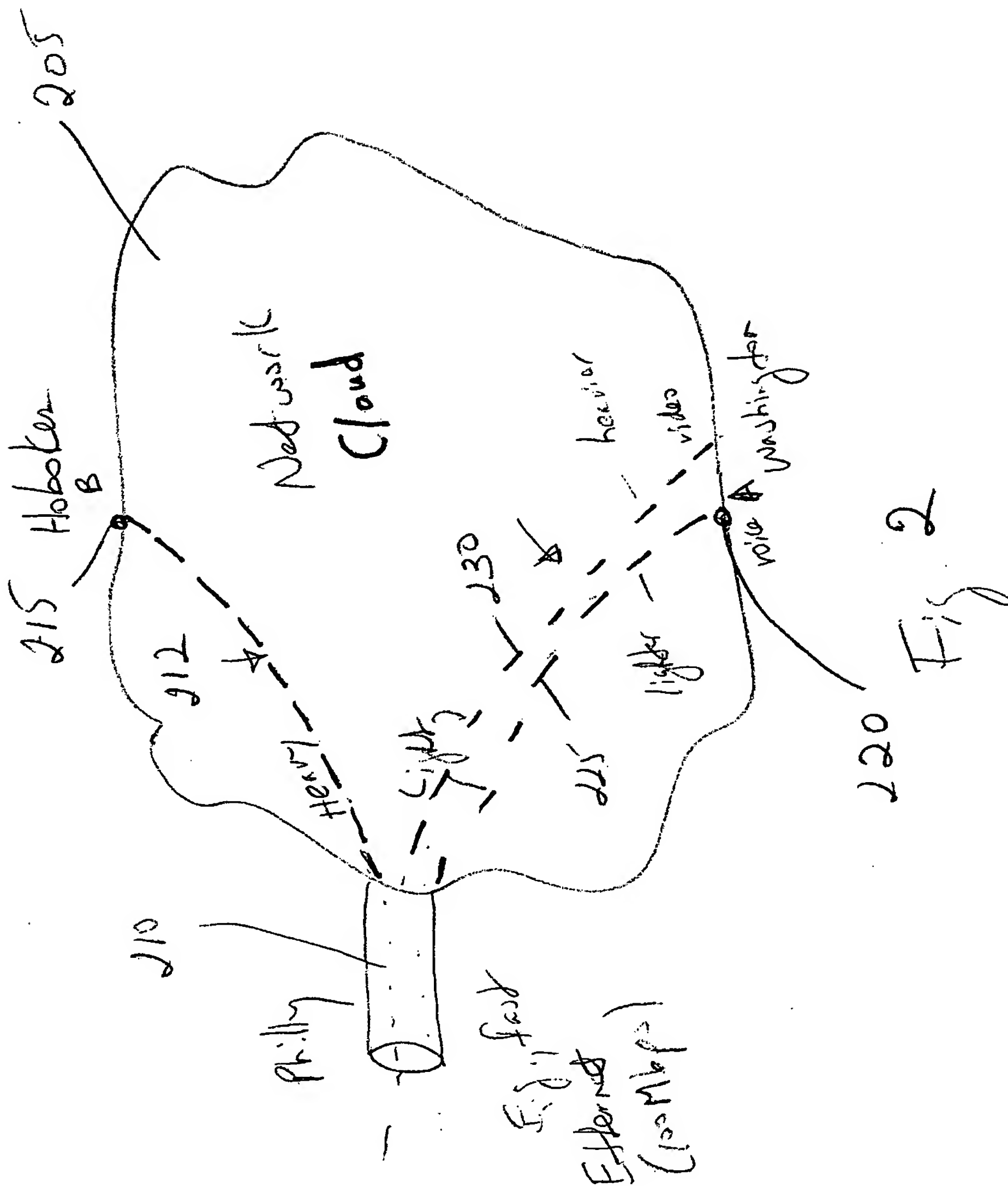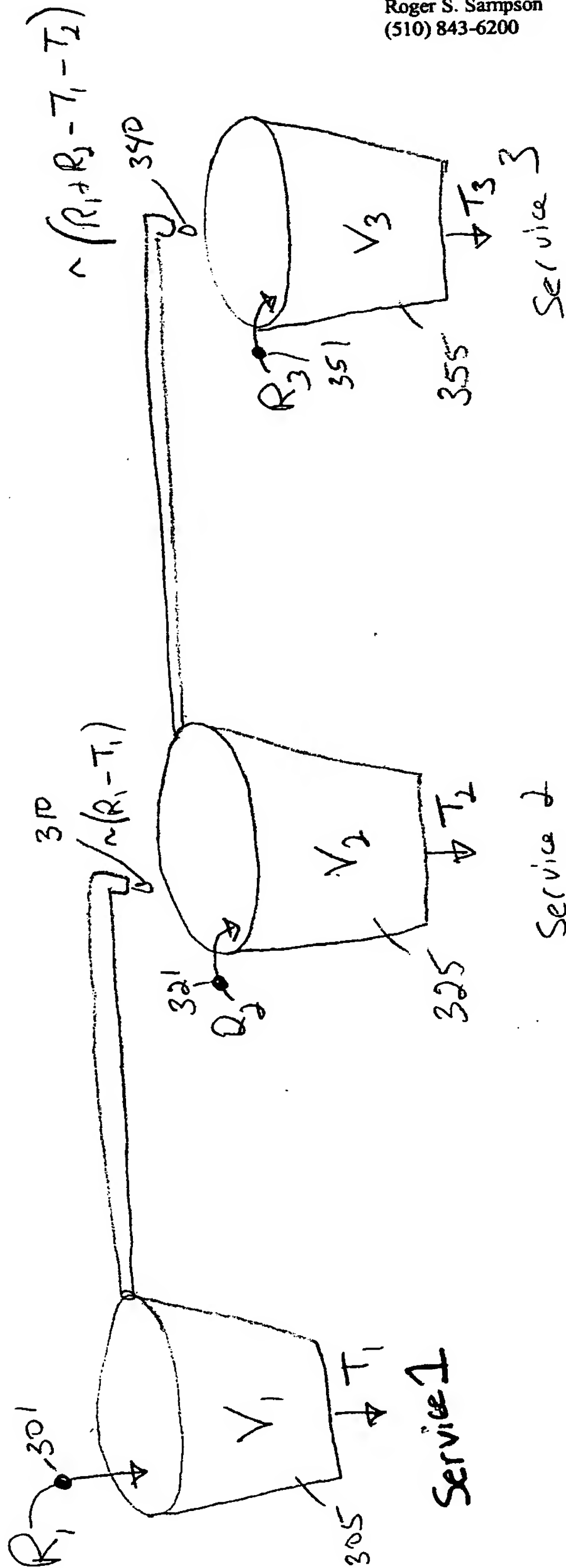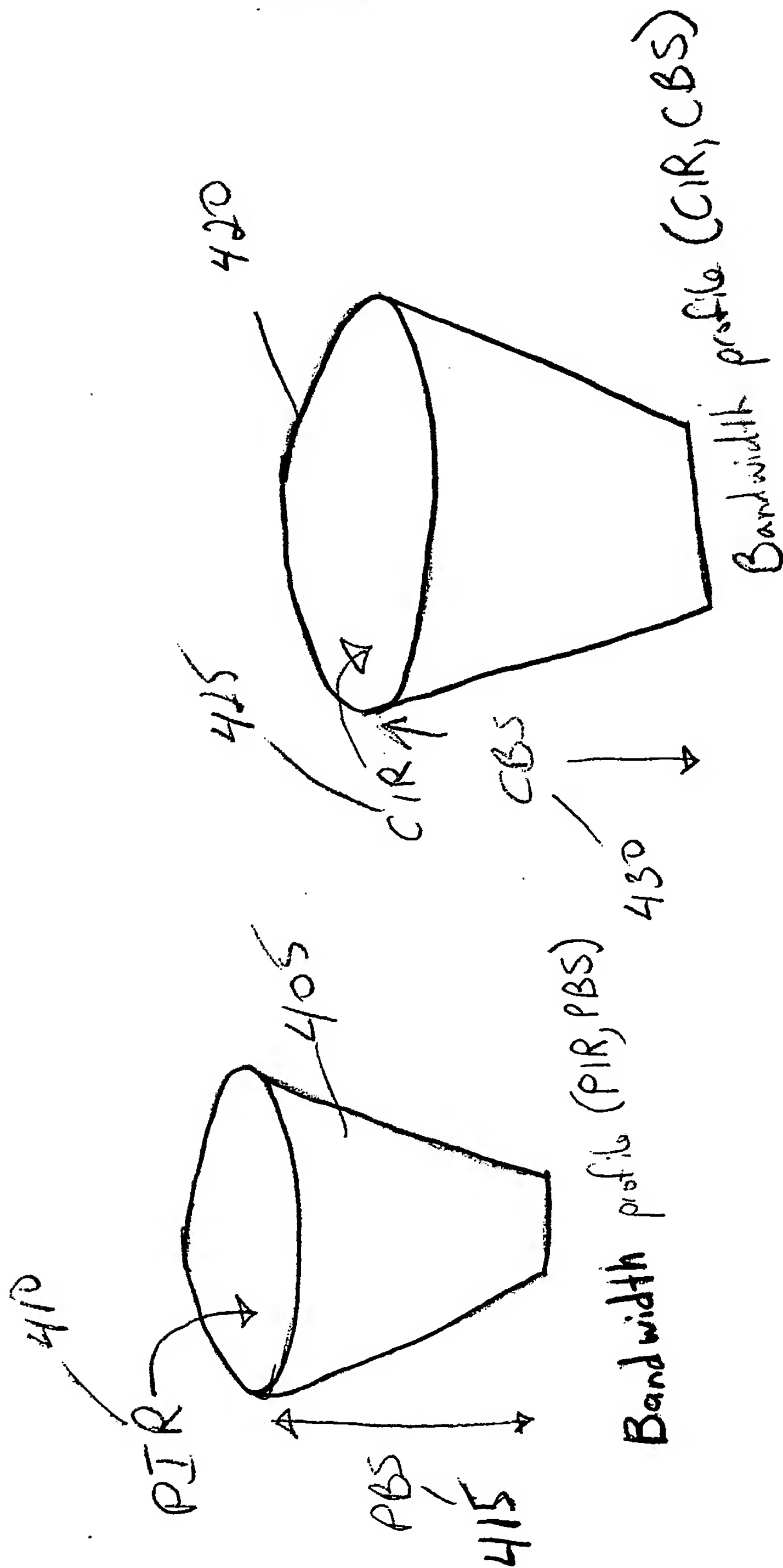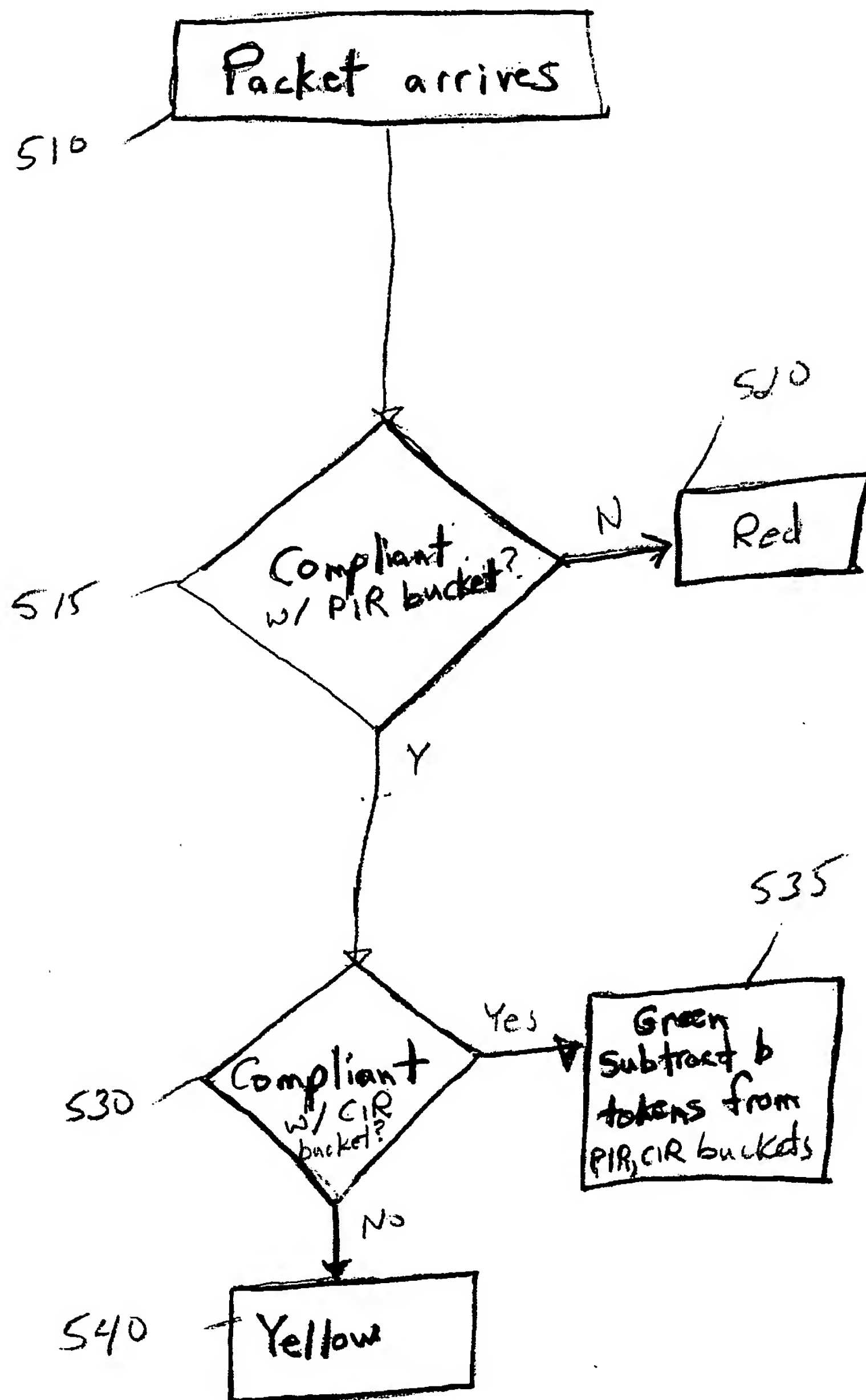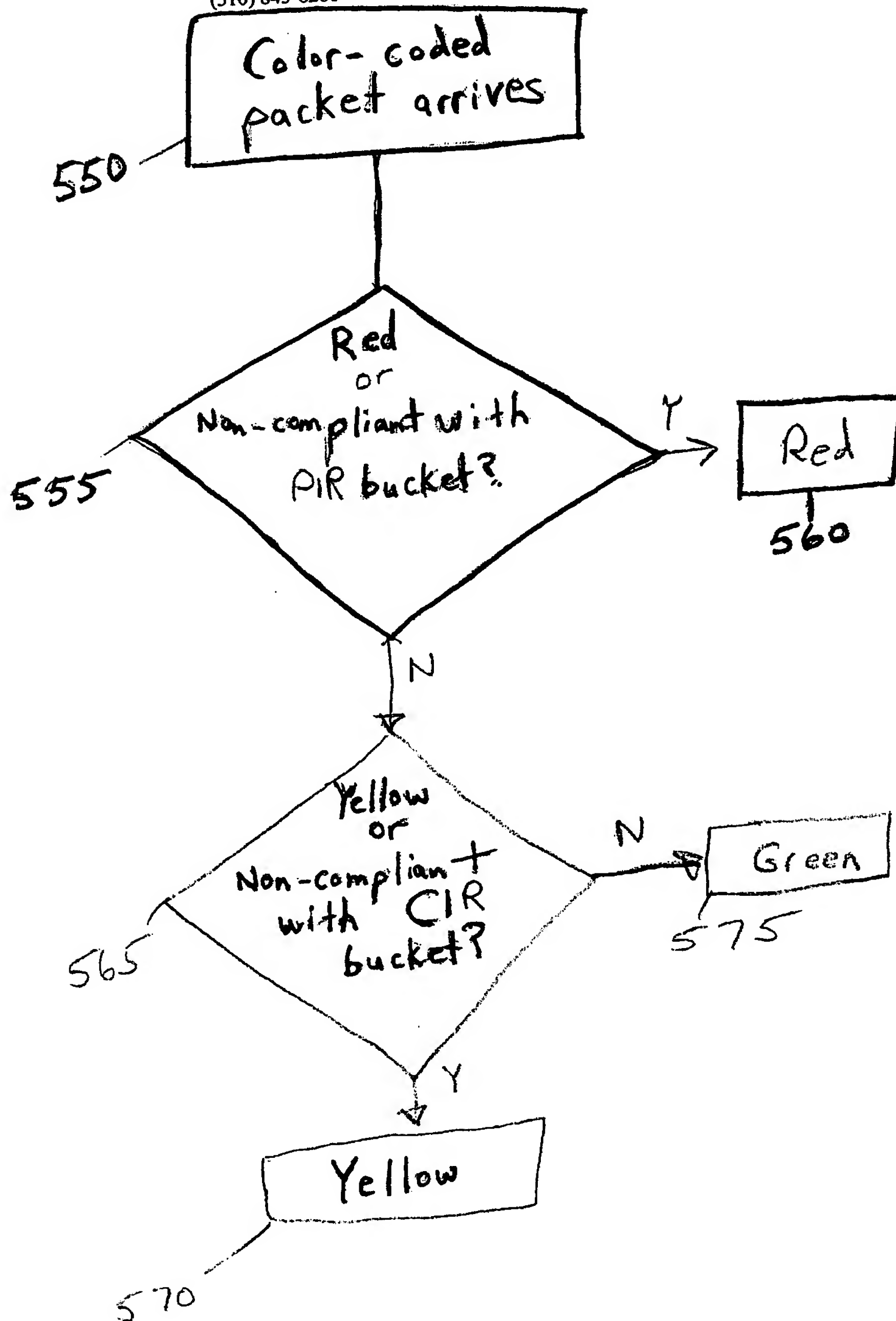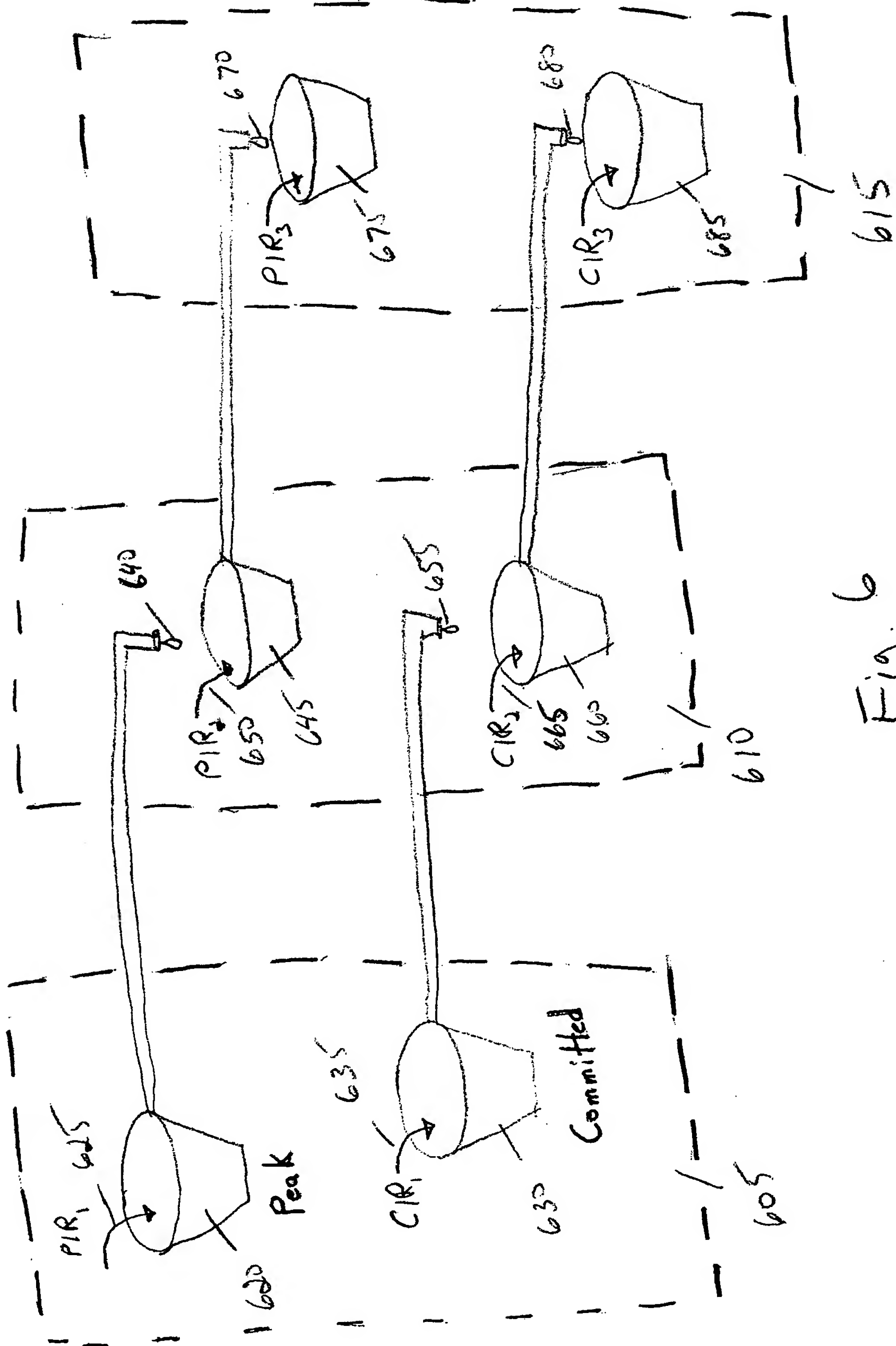
Data
transmissions

Fig. 1

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Fig. 2

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Fig. 3

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Fig. 4

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Packet arrives

510

520

515 Compliant w/ PIR bucket? —N→ Red

Y

535

530 Compliant w/ CIR bucket? —Yes→ Green Subtract b tokens from PIR, CIR buckets

No

540 — Yellow

Fig. 5

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Color-coded packet arrives

550

Red or Non-compliant with PIR bucket?

555

Y → Red

560

N

Yellow or Non-compliant with CIR bucket?

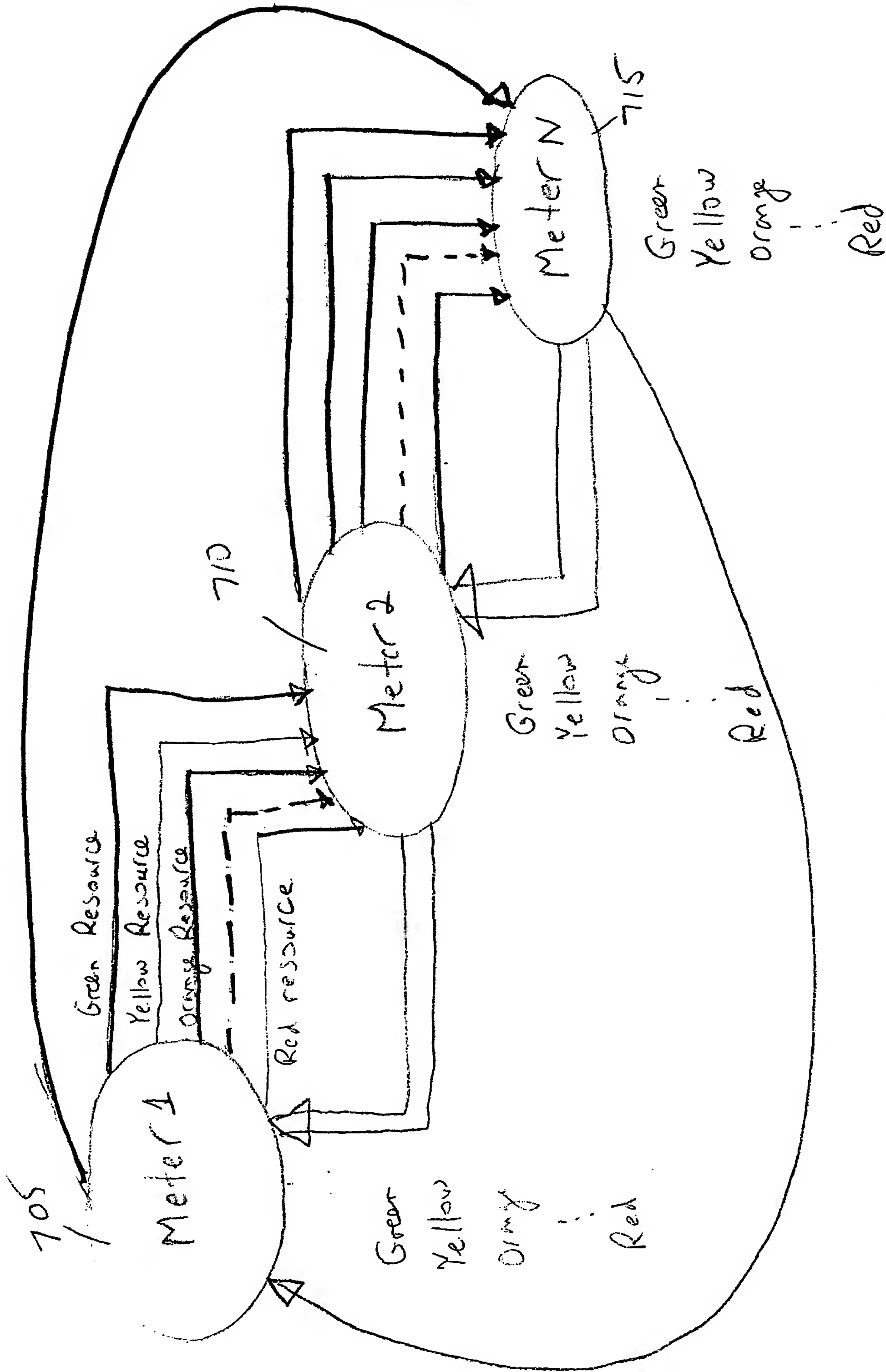565

N → Green

575

Y → Yellow

570

Fig. 5A

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Fig. 6

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Fig. 7

Title: Methods and Devices for Flexible
Bandwidth Allocation
Express Mail No. EV334022649US
Atty Dkt. No. CISCP344/7838
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FIG. 8